

ABSTRACT OF THE DISCLOSURE

A speed measuring system comprising at least one stationary speed sensor (4) for detecting a speed of a measuring body (1) rotating relative to the speed sensor (4) wherein the measuring body (1) is provided, on its periphery, with electric or magnetic discontinuities. The speed sensor (4) situated at a defined distance from the measuring body (1), reacts to the discontinuities when the measuring body (1) is moved past the speed sensor (4). The speed measuring system has, in addition, one separate distance sensor (5) for determining an actual distance (LS) and an actual change in distance between the speed sensor (4) and the measuring body (1). In an evaluation device of the speed measuring system the speed of the measuring body (1) is formed from an actual output signal of the speed sensor (4) according to an actual output signal of the distance sensor (5).